

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	288	thiol with specific with reagent	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 13:40
S3	0	thiol with specific with reagent and cationic with polypeptide	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 10:27
S5	1313	cationic with polypeptide	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/21 13:28
S6	0	S1 and S5	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 10:28
S7	51	S1 and glycoprotein	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 10:29
S8	0	S1 and iron with sequestering with glycoprotein	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 10:29
S9	5	iron with sequestering with glycoprotein	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 10:30
S12	0	cationic with polypeptide same N-ethylmaleimide	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 10:39
S13	0	cationic with polypeptide same (N-ethylmaleimide or NEM)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 10:39
S14	3031	(N-ethylmaleimide or NEM)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 10:39
S15	0	S9 and N-ethylmaleimide	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 10:42

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S17	0	S9 and "5, 5-dithiobis-(2-nitrobenzoic acid)"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 10:43
S18	0	thiol with specific with reagent same "bacterial biofilm"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 10:46
S19	0	thiol with specific with reagent same "bacterial biofilm"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 11:08
S22	1	thiol with specific with reagent and N-phenylmaleimides	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 13:41
S23	3	cationic with polypeptide and N-phenylmaleimides	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 13:42
S24	1807	N-phenylmaleimides	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 13:46
S25	138	thiosulfinates	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 13:47
S26	0	thiosulfinates and cationic with polypeptides	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 13:48
S27	0	thiosulfinates and polylysine	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 13:49
S28	0	thiosulfinates and defensin	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 13:49
S29	3	thiosulfinates and lysozyme	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 13:50
S30	64	lysozyme same antimicrobial with composition	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 13:51

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S31	0	lysozyme same antimicrobial with composition and N-ethylmaleimide	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 13:52
S32	30004	lysozyme same antimicrobial with composition and N-ethylmaleimide or "P-hydroxymercuribenzoic acid" or iodoacetamide or N-phenylmaleimide or "\$maleimide"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 14:01
S33	8	lysozyme same antimicrobial with composition and (N-ethylmaleimide or "P-hydroxymercuribenzoic acid" or iodoacetamide or N-phenylmaleimide or "\$maleimide")	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 14:03
S34	35	lysozyme and antimicrobial with composition and (N-ethylmaleimide or "P-hydroxymercuribenzoic acid" or iodoacetamide or N-phenylmaleimide or "\$maleimide")	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 14:03
S35	33	lysozyme and antimicrobial with composition and (N-ethylmaleimide or "P-hydroxymercuribenzoic acid" or iodoacetamide or N-phenylmaleimide or \$maleimide)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 14:07
S36	2	cationic with polypeptide and antimicrobial with composition and (N-ethylmaleimide or "P-hydroxymercuribenzoic acid" or iodoacetamide or N-phenylmaleimide or \$maleimide)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 14:09
S37	33745	(N-ethylmaleimide or "P-hydroxymercuribenzoic acid" or iodoacetamide or N-phenylmaleimide or \$maleimide or thiosulfinates or "p-chloromercuribenzene sulphonic acid")	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 14:11
S38	31174	("protamine sulfate" or polylysine or defensin or lysozyme or lactoperoxidase)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 15:28

EAST Search History

S39	2908	S37 and S38	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 14:13
S40	58	S37 and S38 same antimicrobial	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 14:13
S41	13836185	N-(l-pyrenyl)with maleimide or "N, N'-(1,2-phenylene) dimaleimide" and "protamine sulfate"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 14:25
S42	2730	(N-(l-pyrenyl)with maleimide or "N,N'-(1,2-phenylene) dimaleimide") and "protamine sulfate"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 14:26
S43	0	("N-(l-pyrenyl maleimide" or "N, N'-(1,2-phenylene) dimaleimide") and "protamine sulfate"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 14:26
S44	0	("N-(l-pyrenyl maleimide" or "N, N'-(1,2-phenylene) dimaleimide")	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 14:26
S45	0	"N-(l-pyrenyl)maleimide"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 14:27
S48	0	(l-pyrenyl)with maleimide	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 14:28
S49	2	"5466707".pn.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 15:26
S50	4633	("protamine sulfate" or polylysine or defensin or lysozyme or lactoperoxidase) and antimicrobial	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 15:29
S51	965	("protamine sulfate" or polylysine or defensin or lysozyme or lactoperoxidase) same antimicrobial	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 15:29
S52	24	("protamine sulfate" or polylysine or defensin or lysozyme or lactoperoxidase) same antimicrobial and maleimides	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 15:29

EAST Search History

S53	10	("protamine sulfate" or polylysine or defensin or lysozyme or lactoperoxidase) same antimicrobial and \$maleimides	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 15:35
S54	2	("protamine sulfate" or polylysine or defensin or lysozyme or lactoperoxidase) same thiol with specific with reagent	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/10 15:36
S55	32	("protamine sulfate" or polylysine or defensin or lysozyme or lactoperoxidase) and thiol with specific with reagent	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/14 16:10
S56	324350	"6613564".pn. methanol	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/14 15:54
S57	324348	"6613564"".pn.and" methanol	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/14 15:55
S58	0	"6613564".pn. and methanol	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/14 15:55
S59	0	"6613564".pn. and dimethylsufixide	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/14 15:56
S60	0	"6613564".pn. and dimethylsulfoxide	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/14 15:56
S61	0	"6613564".pn. and "dimethyl sulfoxide"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/14 15:56
S62	0	("protamine sulfate" or polylysine or defensin or lysozyme or lactoperoxidase) and maliamide	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/14 16:11
S63	2393	("protamine sulfate" or polylysine or defensin or lysozyme or lactoperoxidase) and maleimide	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/14 16:11
S64	443	("protamine sulfate" or polylysine or defensin or lysozyme or lactoperoxidase)and maleimide and antimicrobial	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/18 15:12

EAST Search History

S65	4	("protamine sulfate" or polylysine or defensin or lysozyme or lactoperoxidase) same maleimide and antimicrobial	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/14 16:13
S66	0	("protamine sulfate" or polylysine or defensin or lysozyme or lactoperoxidase) same maleimide same antimicrobial	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/14 16:13
S67	0	("protamine sulfate" or polylysine or defensin or lysozyme or lactoperoxidase) same antimicrobial and maleimide	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/14 16:13
S68	24	("protamine sulfate" or polylysine or defensin or lysozyme or lactoperoxidase) same antimicrobial and maleimide	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/14 16:25
S69	153	"protamine sulfate" and maleimide	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/14 16:26
S70	51	"protamine sulfate" and maleimide and antimicrobial	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/15 09:31
S71	0	"protamine sulfate" same maleimide and antimicrobial	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/14 16:26
S72	5	ovotransferrin and maleimide	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/14 16:37
S73	5	ovotransferrin and maleimides	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/14 16:48
S74	107	lactoferrin and maleimides	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/14 16:48
S75	58	lactoferrin and maleimides and antimicrobial	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/14 17:02
S76	1	lactoferrin same maleimides and antimicrobial	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/14 16:49

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S77	0	lactoferrin and N-ethylmaleimide and antimicrobial	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/14 16:53
S78	0	lactoferrin and "N substituted maleimide" and antimicrobial	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/14 16:54
S79	0	lactoferrin and NEM and antimicrobial	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/14 16:54
S80	0	serotransferrin and maleimides and antimicrobial	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/14 17:03
S81	4	serotransferrin and antimicrobial	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/14 17:03
S82	0	"protamine sulfate" same maleimide	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/15 09:31
S83	2	"protamine sulfate" same \$maleimide	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/15 09:55
S84	192	"protamine sulfate" and \$maleimide	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/15 09:55
S85	36	"protamine sulfate" and \$maleimide and antimicrobial	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/15 10:08
S86	4850	ovotransferrin or lactoferrin or lactoperoxidase	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/15 10:10
S87	113	S86 and \$maleimide and antimicrobial	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/15 10:11
S88	1	S86 same \$maleimide and antimicrobial	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/15 10:12

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S89	0	S86 and \$maleimide same antimicrobial	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/15 10:12
S90	9	S86 same \$maleimide	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/15 11:13
S91	4	S86 same \$maleimide and methanol	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/15 11:13
S92	2916	(methanol or "dimethyl sulfoxide") and medical with devices	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/15 11:33
S93	684	(methanol or "dimethyl sulfoxide") and medical with devices and antimicrobial	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/15 11:33
S94	88	(methanol or "dimethyl sulfoxide") and medical with devices and antimicrobial and biofilm	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/15 11:34
S95	12	(methanol and "dimethyl sulfoxide") and medical with devices and antimicrobial and biofilm	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/15 11:34
S96	441	("protamine sulfate" or polylysine or defensin or lysozyme or lactoperoxidase)and maleimide and antimicrobial and composition	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/18 15:12
S97	4	("protamine sulfate" or polylysine or defensin or lysozyme or lactoperoxidase)same maleimide and antimicrobial and composition	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/18 15:13
S98	109	("protamine sulfate" or polylysine or defensin or lysozyme or lactoperoxidase)and maleimide and antimicrobial same composition	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/18 15:13
S99	45	("protamine sulfate" or polylysine or defensin or lysozyme or lactoperoxidase)and maleimide and antimicrobial same composition and medical with device	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/04/03 16:45

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S10 0	59	(cationic with polypeptide or protein) and maleimide and antimicrobial same composition and medical with device	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/18 15:18
S10 1	1	(cationic with polypeptide or cationic with protein) and maleimide and antimicrobial same composition and medical with device	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/18 15:22
S10 2	54	protamine with sulfate same antimicrobial	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/21 08:22
S10 3	5	protamine with sulfate same antimicrobial and "medical devices"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/21 08:22
S10 4	0	quanternary with ammonium same antimicrobial and medical with devices	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/21 09:52
S10 5	5	quanternary with ammonium same antimicrobial	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/21 10:04
S10 6	11	ovotransferrin same antimicrobial	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/21 10:05
S10 7	316	thiol with specific with reagent	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/21 13:29
S10 8	1473	cationic with polypeptide	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/21 13:28
S10 9	60	S107 and glycoprotein	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/21 13:29
S11 0	6	iron with sequestering with glycoprotein	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/21 13:29
S11 1	3	cationic with polypeptide and N-phenylmaleimides	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/21 13:29

EAST Search History

S11 2	1903	N-phenylmaleimides	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/21 13:29
S11 3	0	thiol with specific with reagent and 514/8.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/21 13:30
S11 4	17	thiol with specific with reagent and 435/69.1.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/21 13:30
S11 5	17	thiol with specific with reagent and 435/320.1.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/21 13:30
S11 6	8	thiol with specific with reagent and 435/252.3.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/21 13:30
S11 7	5	thiol with specific with reagent and 530/395.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/09/21 13:30
S11 8	8	"826094".ap.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/12/02 11:06
S11 9	1	"826094".ap. and N-substituted	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/12/02 11:06
S12 0	36457	("protamine sulfate" or polylysine or defensin or lysozyme or lactoperoxidase)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/04/03 16:45
S12 1	95	S120 same \$maleimide	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/04/13 11:08
S12 2	28	S120 with \$maleimide	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/04/03 16:47
S12 3	25	S122 and @ad<"20040331"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/04/03 16:48

EAST Search History

S12 4	355	thiol with specific with reagent	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/04/13 11:07
S12 5	1621	cationic with polypeptide	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/04/13 11:07
S12 6	3	S124 and iron with sequestering with glycoprotein	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/04/13 11:07
S12 7	10	iron with sequestering with glycoprotein	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/04/13 11:07
S12 8	3599	(N-ethylmaleimide or NEM)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/04/13 11:07
S12 9	2	thiol with specific with reagent and N-phenylmaleimides	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/04/13 11:07
S13 0	5	cationic with polypeptide and N-phenylmaleimides	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/04/13 11:07
S13 1	1	thiosulfinates and polylysine	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/04/13 11:07
S13 2	161	thiosulfinates	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/04/13 11:07
S13 3	40	lysozyme and antimicrobial with composition and (N-ethylmaleimide or "P-hydroxymercuribenzoic acid" or iodoacetamide or N-phenylmaleimide or maleimide)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/04/13 11:07
S13 4	36643	("protamine sulfate" or polylysine or defensin or lysozyme or lactoperoxidase)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/04/13 11:08

EAST Search History

S13 5	4	S134 same \$maleimide and 530/350.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/04/13 11:08
S13 6	1	S134 same \$maleimide and 514/12.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/04/13 11:09
S13 7	0	S134 same \$maleimide and 530/400.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/04/13 11:17
S13 8	0	S134 same \$maleimide and 435/320.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2006/04/13 11:17

NEWS 16 MAR 01 INSPEC reloaded and enhanced
 NEWS 17 MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes
 NEWS 18 MAR 08 X.25 communication option no longer available after June 2006
 NEWS 19 MAR 22 EMBASE is now updated on a daily basis
 NEWS 20 APR 03 New IPC 8 fields and IPC thesaurus added to PATDPAFULL
 NEWS 21 APR 03 Bibliographic data updates resume; new IPC 8 fields and IPC thesaurus added in PCTFULL
 NEWS 22 APR 04 STN AnaVist \$500 visualization usage credit offered
 NEWS 23 APR 12 LINSPEC, learning database for INSPEC, reloaded and enhanced
 NEWS 24 APR 12 Improved structure highlighting in FQHIT and QHIT display in MARPAT
 NEWS 25 APR 12 Derwent World Patents Index to be reloaded and enhanced during second quarter; strategies may be affected

NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005. V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT <http://download.cas.org/express/v8.0-Discover/>

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FILE 'HOME' ENTERED AT 12:17:35 ON 13 APR 2006

=> index bioscience

COST IN U.S. DOLLARS	ENTRY	SINCE FILE SESSION	TOTAL
FULL ESTIMATED COST		0.21	0.21

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUAL, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 12:17:49 ON 13 APR 2006

70 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0* with SET DETAIL OFF.

=> "protamine sulfate" and maleimide

4 FILE BIOSIS
 1 FILE BIOTECHNO
 5 FILE CAPLUS
 27 FILES SEARCHED...
 2 FILE EMBASE
 1 FILE IFIPAT
 1 FILE LIFESCI
 2 FILE MEDLINE
 178 FILE USPATFULL
 6 FILE USPAT2
 67 FILES SEARCHED...
 2 FILE WPIDS
 2 FILE WPINDEX

11 FILES HAVE ONE OR MORE ANSWERS, 70 FILES SEARCHED IN STNINDEX

L1 QUE "PROTAMINE SULFATE" AND MALEIMIDE

=> "protamine sulfate" and ?maleimide
 0* FILE ADISCTI

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0* FILE ADISINSIGHT
0* FILE ADISNEWS
0* FILE AGRICOLA
0* FILE AQUASCI
7 FILE BIOSIS
0* FILE BIOTECHABS
0* FILE BIOTECHDS
1 FILE BIOTECHNO
24 FILE CAPLUS
0* FILE CEABA-VTB
0* FILE CONFSCI
0* FILE CROPB
0* FILE CROPU
0* FILE DDFB
0* FILE DDFU
0* FILE DGENE
0* FILE DRUGB
0* FILE DRUGMONOG2
0* FILE DRUGU
0* FILE EMBAL
6 FILE EMBASE
0* FILE ESBIODBASE
0* FILE FEDRIP
0* FILE FOMAD
0* FILE FOREGE
34 FILES SEARCHED...
2 FILE GENBANK
0* FILE HEALSAFE
1 FILE IFIPAT
0* FILE IMSDRUGNEWS
0* FILE IMSPRODUCT
0* FILE IMSRESEARCH
0* FILE JICST-EPLUS
1* FILE LIFESCI
4 FILE MEDLINE
0* FILE NIOSHTIC
0* FILE NUTRACEUT
0* FILE OCEAN
0* FILE PCTGEN
0* FILE PHARMAML
0* FILE PROMT
0* FILE SYNTHLINE
2 FILE TOXCENTER
192 FILE USPATFULL
14 FILE USPAT2
0* FILE VETB
0* FILE VETU
66 FILES SEARCHED...
3 FILE WPIDS
3 FILE WPINDEX

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13 FILES HAVE ONE OR MORE ANSWERS, 70 FILES SEARCHED IN STNINDEX

L2 QUE "PROTAMINE SULFATE" AND ?MALEIMIDE

=> d rank

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F1      192  USPATFULL
F2      24   CAPLUS
F3      14   USPAT2
F4       7   BIOSIS
F5       6   EMBASE
F6       4   MEDLINE
F7       3   WPIDS
F8       3   WPINDEX
F9       2   GENBANK
F10      2   TOXCENTER
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F12      1   IFIPAT
F13     1*   LIFESCI

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=> "protamine sulfate" and ?maleimide
L3 43 "PROTAMINE SULFATE" AND ?MALEIMIDE

=> dup remove l3
PROCESSING COMPLETED FOR L3
L4 29 DUP REMOVE L3 (14 DUPLICATES REMOVED)

=> d ti 1-29

L4 ANSWER 1 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
TI Synergistic antimicrobial compositions for reducing biofilm formation

L4 ANSWER 2 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
TI Synergistic antimicrobial compositions and methods for reducing biofilm formation on medical devices

L4 ANSWER 3 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
TI Methods for the assay of troponin I and T and complexes of troponin I and T and selection of antibodies for use in immunoassays

L4 ANSWER 4 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
TI Methods for the recovery and measurement of troponin complexes for detecting myocardial infarction

L4 ANSWER 5 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 1
TI Purification and some properties of a proline iminopeptidase from Bifidobacterium breve

L4 ANSWER 6 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 2
TI Inactivation of unbound rat liver glucocorticoid receptor by N-alkylmaleimides at sub-zero temperatures

L4 ANSWER 7 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
TI Purification and properties of Cellvibrio gilvus cellobiose phosphorylase

L4 ANSWER 8 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
TI Protein kinases from spinach chloroplasts. II. Protein substrate specificity and kinetic properties

L4 ANSWER 9 OF 29 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on
TI PURIFICATION AND PROPERTIES OF THE ALLOPHANATE HYDROLASE FROM CHLAMYDOMONAS-REINHARDII.

L4 ANSWER 10 OF 29 EMBASE COPYRIGHT (c) 2006 Elsevier B.V. All rights reserved on STN
TI Cytoprotection - organoprotection by somatostatin: Gastric and hepatic lesions.

L4 ANSWER 11 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 3
TI Progesterone receptor in the rat ovary: further characterization and localization in the granulosa cell

L4 ANSWER 12 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 4
TI Phosphoenolpyruvate carboxykinase in Phycomyces blakesleeanus Bgff

L4 ANSWER 13 OF 29 MEDLINE on STN

- TI Purification and properties of the urea amidolyase from *Candida utilis*.
- L4 ANSWER 14 OF 29 EMBASE COPYRIGHT (c) 2006 Elsevier B.V. All rights reserved on STN
- TI Characterization and comparison of estrogen and androgen receptors of calf anterior pituitary.
- L4 ANSWER 15 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
- TI Isolation and properties of lactate dehydrogenase from germinating pea plants
- L4 ANSWER 16 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 5
- TI Partial purification and some properties of dihydrofolate reductase from soybean seedlings
- L4 ANSWER 17 OF 29 EMBASE COPYRIGHT (c) 2006 Elsevier B.V. All rights reserved on STN
- TI The physicochemical properties of the cytoplasmic androgen receptor in the kidneys of normal, carrier female (tfm/+) and androgen insensitive (tfm/y) mice.
- L4 ANSWER 18 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 6
- TI Estrogen receptors in hamster tumors
- L4 ANSWER 19 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 7
- TI Pyrogen and enzyme release from rabbit blood leukocytes promoted by endotoxin and polyinosinic polycytidylic acid
- L4 ANSWER 20 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
- TI Biosynthesis of isoleucine and valine in *Mycobacterium tuberculosis* H37Rv.
III. Purification and properties of acetohydroxy acid isomeroreductase
- L4 ANSWER 21 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
- TI Isolation, purification, and properties of NAD-kinase from the heart muscle
- L4 ANSWER 22 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
- TI Methionine biosynthesis in mammalian tissues and cells in culture
- L4 ANSWER 23 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 8
- TI Effect of heparin on platelet adhesiveness
- L4 ANSWER 24 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 9
- TI Interaction of *Escherichia coli* endotoxin with leukocytes
- L4 ANSWER 25 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
- TI Monoglyceride-hydrolyzing activity of rat myocardium
- L4 ANSWER 26 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
- TI Benzylalcohol dehydrogenase, a new alcohol dehydrogenase from *Pseudomonas* spp.
- L4 ANSWER 27 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
- TI Cytidine aminohydrolase from sheep liver
- L4 ANSWER 28 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
- TI Effects of various blocking reagents on local mechanism of calcification
- L4 ANSWER 29 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN
- TI Separation of .beta.-N-acetylglucosaminidase and .beta.-N-acetylgalactosaminidase from calf brain cytoplasm

=> ab bib 1, 3, 6, 11, 14, 22, 27, 29

L5 0 AB BIB 1, 3, 6, 11, 14, 22, 27, 29

=> d ab bib 1, 3, 6, 11, 14, 22, 27, 29

L5 HAS NO ANSWERS

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L5 0 SEA AB BIB 1, 3, 6, 11, 14, 22, 27, 29

=> "protamine sulfate" and ?maleimide

L6 43 "PROTAMINE SULFATE" AND ?MALEIMIDE

=> dup remove l6

PROCESSING COMPLETED FOR L6

L7 29 DUP REMOVE L6 (14 DUPLICATES REMOVED)

=> d ab bib 1, 3, 6, 11, 14, 22, 27, 29

L7 ANSWER 1 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN

AB The invention provides compns. comprising a thiol-specific reagent combined with a cationic polypeptide, an iron-sequestering glycoprotein or a quaternary ammonium compd., usable as synergistic antimicrobial compns. for reducing biofilm formation, in particular on medical devices.

AN 2005:1103508 CAPLUS

DN 143:373460

TI Synergistic antimicrobial compositions for reducing biofilm formation

IN Madhyastha, Srinivasa

PA Kane Biotech Inc., Can.

SO PCT Int. Appl., 59 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005094579	A1	20051013	WO 2005-CA493	20050401
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RV: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI US 2004-558132P	P	20040401		
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD				
ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L7 ANSWER 3 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN

AB Assay systems and specialized antibodies are disclosed for the detection and quantitation of troponin I and troponin T in body fluids as an indicator of myocardial infarction. Since troponin I and T exist in various conformations in the blood, the ratios of the monomeric troponin I an T and the binary and ternary complexes, as well as which form of troponin present in the blood, may be related to the metabolic state of the heart. Disclosed is a system to det. the presence of a troponin form or a group of troponin forms in a sample of whole blood, serum or plasma. Disclosed is a stabilized compn. of troponin; the stabilized compn. can comprise a stabilized compn. of troponin I, wherein the troponin I is oxidized, the troponin I can be unbound or the troponin I can be in a complex. Disclosed is a method for improving the recovery of troponin I or T from a surface used in immunoassays. Also disclosed are antibodies which recognize unbound troponin forms, the forms of troponin in binary complexes, the ternary complex of troponin I, T and C, and the conformations of troponin I having intramolecularly oxidized and reduced cysteines.

AN 2001:43458 CAPLUS

DN 134:97519

TI Methods for the assay of troponin I and T and complexes of troponin I and T and selection of antibodies for use in immunoassays

IN Buechler, Kenneth F.; Mcpherson, Paul H.

PA Biosite Diagnostics, Inc., USA

SO U.S., 39 pp., Cont.-in-part of U.S. 5,795,725.

CODEN: USXXAM

DT Patent
LA English
FAN.CNT 5

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 6174686	B1	20010116	US 1996-633248	19960418
US 5795725	A	19980818	US 1995-423582	19950418
CA 2218491	AA	19961024	CA 1996-2218491	19960418
CA 2218491	C	20000201		
WO 9633415	A1	19961024	WO 1996-US5476	19960418
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML				
EP 821794	A1	19980204	EP 1996-913812	19960418
EP 821794	B1	20041103		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 11505605	T2	19990521	JP 1996-531955	19960418
JP 3065667	B2	20000717		
EP 935140	A2	19990811	EP 1999-106629	19960418
EP 935140	A3	20050420		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
AT 281648	E	20041115	AT 1996-913812	19960418
US 6939678	B1	20050906	US 1999-349194	19990707
US 6579687	B1	20030617	US 1999-425318	19991021
US 6991907	B1	20060131	US 2000-687051	20001012
US 2005164317	A1	20050728	US 2004-850954	20040521
PRAI US 1995-423582	A2	19950418		
EP 1996-913812	A3	19960418		
US 1996-633248	A	19960418		
WO 1996-US5476	W	19960418		
US 2000-687051	A1	20001012		

RE.CNT 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 6 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 2

AB A series of N-alkylmaleimides effectively inactivates the rat liver glucocorticoid receptor at neutral pH. A partial purifn. of the unbound cytosolic receptor by ***protamine*** ***sulfate*** pptn. and a careful stabilization of the essential thiol by dithiothreitol and Na molybdate before the alkylation step appeared essential to obtain pseudo-1st-order kinetics. Performing the expt. at -12.degree. in buffer contg. 40% glycerol as antifreeze agent resulted in increased receptor stabilization and a slowing down of the inactivation process, which could then be more accurately studied. This process was dose- and pH-dependent in the case of N- ***ethylmaleimide*** [128-53-0] and N- ***nonylmaleimide*** [20458-51-9]. Comparison of the various N-alkylmaleimides revealed a striking increase of receptor inactivation with increasing chain length of the ***maleimide*** deriv. Full protection against inactivation was afforded by previous 3H-labeled dexamethasone [50-02-2] binding on the receptor. Long-chain N-alkylmaleimides inactivated by .beta.-mercaptoethanol inhibited the [3H]dexamethasone binding noncovalently. N-Nonylsuccinimide [94242-58-7] competed with [3H]dexamethasone for receptor binding. The chain length effect obsd. in the inactivation process is apparently related to nonpolar interactions in the binding of maleimides to the receptor prior to the irreversible alkylation of sulfhydryl groups. These groups lie in a hydrophobic environment, probably in the steroid binding site itself.

AN 1985:40065 CAPLUS

DN 102:40065

TI Inactivation of unbound rat liver glucocorticoid receptor by N-alkylmaleimides at sub-zero temperatures

AU Formstecher, Pierre; Dumur, Viviane; Idziorek, Thierry; Danze, Pierre Marie; Sablonniere, Bernard; Dautrevaux, M.

CS Lab. Biochim. Struct., Fac. Med., Lille, 59045, Fr.

SO Biochimica et Biophysica Acta, General Subjects (1984), 802(2), 306-13

CODEN: BBGSB3; ISSN: 0304-4165

DT Journal
LA English

AB A detailed anal. of the biochem. properties of the progesterone (I) [57-83-0] receptor in the cytosol of ovaries of hypophysectomized, estrogen-primed, immature rats and its cellular localization within the ovary are reported. Treatment of the ovary cytosol with ***protamine*** **sulfate*** and N-Et ***maleimide*** abolished the specific binding of 3H-labeled R5020 [34184-77-5] indicating that the receptor is an acidic protein contg. cysteine residues necessary for binding. Gel exclusion chromatog. showed the I receptor to have a mean Stokes radius of 86 .ANG. and a mol. wt. of .apprx.300,000 daltons. Kinetic anal. indicated that the receptor-R5020 complex dissocd. very rapidly, with a t1/2 of 10 min. The cytosol of isolated granulosa cells bound R5020-3H specifically, demonstrating that the ovarian I receptor is present in the granulosa cell.

AN 1980:15928 CAPLUS

DN 92:15928

TI Progesterone receptor in the rat ovary: further characterization and localization in the granulosa cell

AU Schreiber, James R.; Erickson, Gregory F.

CS Dep. Reprod. Med., Univ. California, La Jolla, CA, 92093, USA

SO Steroids (1979), 34(4), 459-69

CODEN: STEDAM; ISSN: 0039-128X

DT Journal

LA English

L7 ANSWER 14 OF 29 EMBASE COPYRIGHT (c) 2006 Elsevier B.V. All rights reserved on STN

AB A comparative study of the characteristics of estrogen and androgen binding in the high speed supernatant fraction (cytosol) of calf anterior pituitary revealed that [3H]-17.beta.-estradiol and [3H]-testosterone were bound to macromolecules which sediment at approximately 9 and 8s, respectively, on sucrose density gradients. The estrogen and androgen binding macromolecules are distinguishable on the basis of their ligand specificity and possess properties which distinguish true steroid hormone receptors from other steroid binding proteins. Competitive binding assays indicate that the androgen receptor has similar affinities for 5.alpha.-dihydrotestosterone and for testosterone. The affinity constants for the 17.beta.-estradiol and testosterone binding reactions were 1.2×10^{10} M⁻¹ and 0.8×10^9 M⁻¹ respectively. The concentration of testosterone receptor sites was determined as 2×10^{-14} mol/mg cytosolic protein in the pituitaries of both male and female calves. A statistically significant difference was found in the concentration of 17.beta.-estradiol receptor sites in the male (1.6×10^{-14} mol/mg protein) and female calf (3.2×10^{-14} mol/mg protein).

AN 78103259 EMBASE

DN 1978103259

TI Characterization and comparison of estrogen and androgen receptors of calf anterior pituitary.

AU Armstrong Jr. E.G.; Villee C.A.

CS Lab. Hum. Reprod. Biol., Dept. Biol. Chem., Harvard Med. Sch., Boston, Mass. 02115, United States

SO Journal of Steroid Biochemistry, (1977) Vol. 8, No. 4, pp. 285-292. .

CODEN: JSTBBK

CY United Kingdom

DT Journal

FS 037 Drug Literature Index

003 Endocrinology

029 Clinical Biochemistry

023 Nuclear Medicine

LA English

L7 ANSWER 22 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN

AB A technique to obtain an elevated activity of methionine synthetase (I) in mammalian cells in culture is described. I was purified 600-fold from pig kidney by complexing with ***protamine*** **sulfate***, chromatog. on DM-30 (DEAE-polyacrylamide gel), and absorption and elution from Ca3(PO4)2 gel. Bovine brain has levels of I equiv. to that of kidney and liver, and, in contrast to kidney I, it is not contaminated with cytochrome B5, and is the more desirable enzyme to establish the nature of the vitamin B12 component. Pig kidney I has an abs. dependency upon a reducing system, FADH2 or FMNH2 being equally effective. Chem. reduced vitamin B12 was as effective as FADH2. p-Chloromercuribenzoate (PCMB), iodoacetamide, and ***ethylmaleimide*** added to an incubation mixt.

contg. FADH2 were effective inhibitors. PCMB was not inhibitory when reduced vitamin B12 was the reducing agent.

AN 1971:415315 CAPLUS

DN 75:15315

TI Methionine biosynthesis in mammalian tissues and cells in culture

AU Mangum, J. H.; North, J. A.

CS Dep. Chem. Microbiol., Brigham Young Univ., Provo, UT, USA

SO Nutr., Proc. Int. Congr., 8th (1970), Meeting Date 1969, 141-5.

Editor(s): Masek, Josef. Publisher: Excerpta Med., Amsterdam, Neth.

CODEN: 23KFAG

DT Conference

LA English

L7 ANSWER 27 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN

AB A cytidine aminohydrolase (EC 3.5.4.5) was purified .apprx.200-fold with 10% yield from the sol. fraction of sheep liver by ***protamine***

sulfate pptn., salt fractionation using tri-Na citrate,

acidification, and chromatog. on columns of DEAE-cellulose and

CM-cellulose. The purified enzyme was unstable, losing 50% of its

activity in 5 days at 2.degree. and being inactivated by freezing. Its

range of pH stability was between 5 and 9, with optimum activity occurring

at pH 5.0. In addn. to cytidine the enzyme deaminated deoxycytidine,

cytosine arabinoside, 5-iodocytidine, 5-methyldeoxycytidine,

5-bromodeoxycytidine, and 5-iododeoxycytidine. p-Chloromercuribenzoate

and N- ***ethylmaleimide*** at low concns. inhibited the enzyme. The

effect of pH on the Km and Vmax. indicated that a group with a pK of 9.2

is present in the active site, suggesting that a thiol group is essential

for activity. Thymidine triphosphate was an effective inhibitor of the

enzyme, displaying complex kinetics.

AN 1967:470668 CAPLUS

DN 67:70668

TI Cytidine aminohydrolase from sheep liver

AU Wisdom, G. B.; Orsi, Bruno A.

CS Trinity Coll., Dublin, Ire.

SO Biochemical Journal (1967), 104(1), 7P

CODEN: BIJOAK; ISSN: 0264-6021

DT Journal

LA English

L7 ANSWER 29 OF 29 CAPLUS COPYRIGHT 2006 ACS on STN

AB Calf brain was homogenized in sucrose-EDTA (pH 7.0), and centrifuged. For the isolation of .beta.-N-acetylglucosaminidase (I), dithiothreitol was added to the supernatant soln. and maintained throughout the remainder of the isolation operations. ***Protamine*** ***sulfate*** was

added, the ppt. was collected, washed, and extd. with phosphate buffer (pH 7.0). The ext. was fractionated with (NH4)2-SO4, the fraction pptd.

between 25 and 40% satn. being collected, dissolved in phosphate buffer,

and dialyzed. The I was further purified by chromatography on

DEAE-cellulose, employing a linear gradient of phosphate buffer (pH 6.0).

.beta.-N-Acetylgalactosaminidase was prepd. in the same way, except that

dithiothreitol was omitted, and N- ***ethylmaleimide*** was added

instead. The latter was removed by dialysis after the (NH4)2SO4

fractionation. Substrate specificity, pH optimum, and response to

inhibitors were studied. At least 3 .beta.-N-acetylhexosaminidases are

present in calf brain. One, present mostly in particles, hydrolyzed both

p-nitrophenyl N-acetyl glucosaminide (II) and p-nitrophenyl

N-acetylgalactosaminide (III). The 2nd, occurring in cell cytoplasm,

hydrolyzed II 40-80-fold faster than III. The 3rd, also in cell

cytoplasm, hydrolyzed III at least 20-fold faster than II.

AN 1967:185 CAPLUS

DN 66:185

TI Separation of .beta.-N-acetylglucosaminidase and .beta.-N-acetylgalactosaminidase from calf brain cytoplasm

AU Frohwein, Ya'acov Z.; Gatt, Shimon

CS Hebrew Univ., Jerusalem, Israel

SO Biochimica et Biophysica Acta, Enzymology and Biological Oxidation (1966), 128(1), 216-18

CODEN: BBAECY; ISSN: 0926-6593

DT Journal

LA English

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